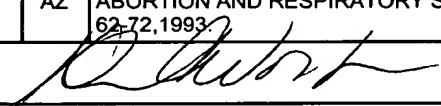
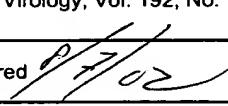


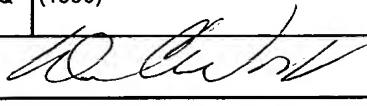
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LIST OF REFERENCES CITED BY APPLICANT		APPLICANT Prem S. PAUL et al				U.S. PTO 81050 13/19/01	
		FILING DATE HEREWITH		GROUP			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
TR	AA	5,476,778	12/19/95	DANNY W. CHLADEK ET AL	~	~	
	AB						
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FOREIGN PATENT DOCUMENTS							
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	AO	0 595 436 A2	05/04/94	EUROPE	YES	NO	
	AP	WO 92/21375	12/10/92	WIPO			
	AQ	WO 95/31550	11/23/95	WIPO			
	AR	WO 96/04010	02/15/96	WIPO			
	AS	WO 96/40932	12/19/96	WIPO			
	AT	2,076,744	08/24/92	CANADA			
	AU	WO 93/03760	03/04/93	WIPO			
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW	SAMIR MOUNIR ET AL, "EXPRESSION AND CHARACTERIZATION OF PRRSV ENVELOPE AND ns4 PROTEINS, "AMERICAN SOCIETY FOR VIROLOGY, ANNUAL MEETING, JULY 9-12, 1994, MADISON, WI.					
	AX	HELMI MARDASSI ET AL, "IDENTIFICATION OF MAJOR DIFFERENCES IN THE NUCLEOCAPSID PROTEIN GENES OF A QUEBEC STRAIN AND EUROPEAN STRAINS OF PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS, " JOURNAL OF GENERAL VIROLOGY, VOL. 75, PP. 681-685 (1994)					
	AY	H.S. KIM ET AL, "ENHANCED REPLICATION OF PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME (PRRS) VIRUS IN A HOMOGENEOUS SUBPOPULATION OF MA-104 CELL LINE, " ARCH. VIROL., VOL. 133, PP. 477-483 (1993)					
	AZ	JANNEKE J.M. MEULENBERG ET AL., "LELYSTAD VIRUS, THE CAUSATIVE AGENT OF PORCINE EPIDEMIC ABORTION AND RESPIRATORY SYNDROME (PEARS), IS RELATED TO LDV AND EAV", Virology, Vol. 192, No. 1, pp. 62-72, 1993.					
Examiner 					Date Considered 		

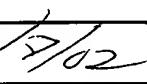
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FOREIGN PATENT DOCUMENTS							
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<i>Q</i>	BP	WO 92/21375	12/10/92	WIPO			
	BQ						
	BR						
	BS						
	BT						
	BU						
	BV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>Q</i>	BW	KUCHLER, BIOCHEMICAL METHODS IN CELL CULTURE AND VIROLOGY, DOWDEN, HUTCHINSON & ROSS, INC. (STRUDBURG, PA), P. 4-10 (1977)					
	BX	SWENSON ET AL., JAVMA, 204: 1943-1948 (1994)					
	BY	A.A.S.P., SEPTEMBER/OCTOBER (1991), pp. 7-11					
<i>Q</i>	BZ	THE VETERINARY RECORD, FEBRUARY 1, 1992, pp. 87-89					
Examiner <i>Dee A. West</i>				Date Considered <i>8/7/02</i>			

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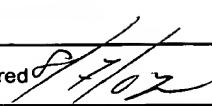
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	CC	THE VETERINARY RECORD, NOVEMBER 30, 1991. P. 495-496			
	CB	THE VETERINARY RECORD, OCTOBER 26, 1991, P. 370			
	CC	THE VETERINARY RECORD, OCTOBER 19, 1991, PP. 367-368			
	CD	THE VETERINARY RECORD, AUGUST 3, 1991, PP. 102-103			
	CE	THE VETERINARY RECORD, JULY 6, 1991			
	CF	THE VETERINARY RECORD, JUNE 22, 1991, PP. 578			
	CC	THE VETERINARY RECORD, JUNE 15, 1991, P. 574			
	CH	THE VETERINARY RECORD, JUNE 8, 1991, P. 536			
	CI	THE VETERINARY RECORD, JUNE 1, 1991, P. 511			
	CJ	THE VETERINARY RECORD, MARCH 2, 1991, P. 213			
	CK	WENSOORT ET AL, VET. QUARTERLY, 13:121-130 (1991)			
	CL	WENSOORT ET AL, VET. RES., 24:117-124 (1993)			
	CM	PAUL ET AL, J. CLIN. VET. MED., 11:19-28 (1993)			
	CN	BENFIELD ET AL, J. VET. DIAGN. INVEST., 4:127-133 (1992)			
	CO	JOO, PRRS: DIAGNOSIS. PROC., ALLEN D. LEMAN SWINE CONF., 20:53-55 (1993)			
	CP	KIM ET AL, ARCH. VIROL., 133-477-483 (1993)			
	CQ	BAUTISTA ET AL, J. VET. DIAGN. INVEST., 5:163-165 (1993)			
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	DA	CONZELMANN ET AL, VIROLOGY, 193:329-339 (1993)				
	DB	MEULENBERG ET AL, VIROLOGY, 192:62-72 (1993)				
	DG	GOYAL, J. VET. DIAGN. INVEST., 5:656-664 (1993)				
	DD	POL ET AL, VETERINARY QUARTERLY, 13:137-143 (1991)				
	DE	CHRISTIANSON ET AL, AM. J. VET. RES., 53:485-488 (1992)				
	DF	COLLINS ET AL, J. VET. DIAGN. INVEST., 4:117-126 (1992)				
	DG	COLLINS ET AL, PROC. ALLEN D. LEMAN CONFERENCE, PP. 47-48 (1993)				
	DH	MURTAUGH, PROC. ALLEN D. LEMAN CONFERENCE, PP. 43-45 (1993)				
	DI	MARDASSI ET AL, ABSTRACT. CONF. RES. WORKERS IN ANIMAL DIS., CHICAGO, ILLINOIS, P. 43 (1993)				
	DJ	MARDASSI ET AL, J. GEN. VIROL, 75:681-685 (1994)				
	DK	WENSVOORT ET AL, J. VET. DIAGN. INVEST., 4:134-138 (1992)				
	DL	BAUTISTA ET AL, J. VET. DIAGN. INVEST., 5:612-614 (1993)				
	DM	STEVENSON ET AL, J. VET. DIAGN. INVEST., 5:432-434 (1993)				
	DN	ANIMAL PHARM., 264:11 (NOVEMBER 13, 1992)				
	DO	VAUGHN ET AL, J. CLIN. MICRO., 32:1809-1812 (1994)				
	DP	HILL ET AL, AM. ASSOC. SWINE PRACTITIONER NEWSLETTER., 4:47 (1992)				
	DQ	HILL ET AL, PROCEEDINGS MYSTERY SWINE DISEASE COMMITTEE MEETING, DENVER, COLORADO., PP. 29-31 (1990)				
	Examiner				Date Considered <u>9/2/02</u>	
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)					
	EA	LOULA, AGRI-PRACTICE., 12:23-34 (1991)			
	EB	PATON ET AL, VET. REC., 128:617 (1991)			
	EC	BLAHA, PROC. AM. ASSOC. SWINE PRACTITIONERS, PP. 313-315 (1993)			
	ED	COLLINS ET AL, PROC., MINNESOTA SWINE CONFERENCE FOR VETERINARIANS, PP. 200-205 (1991)			
	EE	WOOLEN ET AL, J. AM. VET. MED. ASSOC., 197:600-601 (1990)			
	EF	PLAGEMANN, PROC. AM. ASSOC. SWINE PRACTITIONERS., 4:8-15 (1992)			
	EG	PLAGEMANN AND MOENNIG, ADV. VIRUS RES., 41:99-192 (1992)			
	EH	SPAAN ET AL, J. GEN. VIROL., 69:2939-2952 (1988)			
	EI	LAI, ANNU. REV. MICROBIOL., 44:303-333 (1990)			
	EJ	SNIJDER ET AL, NUCLEIC ACID RES., 18:4535-4542 (1990)			
	EK	HALBUR ET AL, PROC. CENTRAL VETERINARY CONFERENCE., PP. 750-759 (1993)			
	EL	NELSON ET AL, J. CLIN. MICROBIOL., 31:3184-3189 (1993)			
	EM	DALZIEL ET AL, J. VIROL., 59:463-471 (1986)			
	EN	FLEMING ET AL, J. VIROL., 58:869-875 (1986)			
	EO	FISCUS ET AL, J. VIROL., 61:2607-2613 (1987)			
	EP	PARKER ET AL, VIROLOGY., 173:664-673 (1989)			
	EQ	LAUDE ET AL, VET. RES., 24:125-150 (1993)			
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)					
	FA	RASSCHAERT ET AL, J. GEN. VIROL., 71:2599-2607 (1990)			
	FB	MAGAR ET AL, CAN J. VET. RES., 57:300-304 (1993)			
	FC	HALBUR ET AL, PROC. AM. ASSOC. SWINE PRACT., 343-350 (1993)			
	FD	BAUTISTS ET AL, AMERICAN ASSOCIATION OF SWINE PRACTITIONERS NEWSLETTER, 4:32 (1992)			
	FE	KOHLER ET AL, NATURE, 256:495-497 (1975)			
	FF	GODNEY ET AL, VIROLOGY, 177:768-771			
	FG	HOOPER ET AL, J. VET. DIAGN. INVEST., 6:13-25 (1994)			
	FH	KOONIN ET AL, CRITICAL REV. BIOCHEM. MOL. BIOL., 28:375-430 (1993)			
	FI	LAI, MICROBIOL. REV., 56:61-79 (1992)			
	FJ	HAHN ET AL, PROC. NATL. ACAD. SCI. USA, 85:5997-6001 (1988)			
	FK	GODENY ET AL, VIROLOGY, 194:585-596 (1993)			
	FL	MARDASSI, J. GEN. VIROL., 75:681-685 (1994)			
	FM	KUO ET AL, VIRUS RES., 23:55-72 (1992)			
	FN	CHEN, J. GEN. VIROL., 74:643-660 (1993)			
	FO	MENG, J. VET. DIAGN. INVEST., 5:254-258 (1993)			
	FP	DEN BOON ET AL, J. VIROL., 65:2910-2920 (1990)			
	FQ	KEFFABER, AM. ASSOC. SWINE PRACTITIONER NEWSLETTER, 1:1-9 (1989)			
Examiner 			Date Considered 		

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)					
	GA	MEREDITH, REVIEW OF PORCINE REPRODUCTIVE AND RESPIRATORY DISEASE SYNDROME, PIG DISEASE INFORMATION CENTRE, DEPARTMENT OF VETERINARY MEDICINE, MADINGLEY ROAD, CAMBRIDGE CB3 0ES, U.K. (1992)			
	GB	VAN ALSTINE ET AL, SWINE HEALTH & PRODUCTION, VOL. 1, NO. 4, 24-28 (1993)			
	GC	CHRISTIANSON ET AL, SWINE HEALTH & PRODUCTION, VOL. 1, NO. 2, 10-28 (1994)			
↓	GD	COMPILED BY SHERWOOD ET AL. "INTERNATIONAL REPORTS ON PRRS STATUS AND CONTROL: 1992". PDIC. PAGES 1-58			
	GE				
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	GG				
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	GO				
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Substitute for form 1449A/PTO	ATTORNEY'S DKT NO. 033303-012	APPLICATION NO. 09/810,501
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT Prem S. PAUL et al.	
	FILING DATE March 19, 2001	GROUP 1645

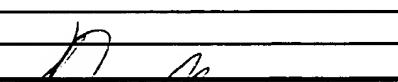
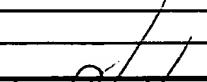


U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	X.-J. Meng et al., <i>Arch Virol.</i> (1995) 140:745-55, Springer-Verlag, Austria
	X.-J. Meng et al., <i>J. Gen. Virol.</i> (1995) 76:3181-88, Society of General Microbiology, Great Britain
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	Date Considered
	 8/7/02

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SHEET 1 OF 4

Substitute for form 1449A/PTO

ATTORNEY'S DKT NO.
033303-012APPLICATION NO.
09/810,501INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT

Prem S. PAUL et al.

FILING DATE

March 19, 2001

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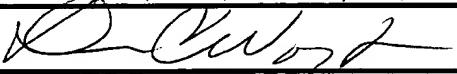
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	5,213,795		Carlson et al.	05/25/1993
	5,419,907		Paul et al.	05/30/1995
	5,510,258		Sanderson et al.	04/23/1996
	5,587,164		Sanderson et al.	12/24/1996
	5,597,721		Brun et al.	01/28/1997
	5,620,691		Wensvoort et al.	04/15/1997
	5,674,500		Peeters et al.	10/07/1997
	5,677,429		Benfield	10/14/1997
	5,683,865		Collins et al.	11/04/1997
	5,695,766		Paul et al.	12/09/1997
	5,698,203		Visser et al.	12/16/1997
	5,789,388		Visser et al.	08/04/1998

FOREIGN PATENT DOCUMENTS

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	2,282,811		Great Britain	04/19/1995		
	WO 93/06211		PCT	04/01/1993		
	WO 94/18311		PCT	08/18/1994		

NON PATENT LITERATURE DOCUMENTS

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Q	Abstract Nos. 218-222, page 43, Abstracts of Conf. of Research Workers in Animal Diseases, Chicago, IL (1993)			
	" 'Mystery Pig Disease' Studies Needed", Animal Pharm., Vol. 215, p. 12, publ. date: November 2, 1990, Theta Reports, New York, NY			
	"Mystery Virus in German Pig Herds", Animal Pharm., Vol. 220, p. 8, publ. date: Jan. 25, 1991, Theta Reports, New York, NY			
	" 'Mystery Pig Disease' Still Unidentified", Animal Pharm., Vol. 223, p. 3, publ. date: March 8, 1991, Theta Reports, New York, NY			
	"Dutch Team Isolates Mystery Pig Disease Agent", Animal Pharm., Vol. 230, p. 21, publ. date: June 21, 1991, Theta Reports, New York, NY			
	"Dutch Scientists Confirm Porcine Reproductive and Respiratory Syndrome (PRRS) Agent is a Virus", Animal Pharm., Vol. 238, p. 6, publ. date: October 25, 1991, Theta Reports, New York, NY			
	"Cyanamid Reports on Isolation of Porcine Reproductive and Respiratory Syndrome (PRRS) Virus", Animal Pharm., Vol. 238, p. 20, publ. date: October 25, 1991, Theta Reports, New York, NY			
	"Pig Disease Mystery Solved by FRG Scientists", Animal Pharm., Vol. 240, p. 7, publ. date: November 22, 1991, Theta Reports, New York, NY			
Examiner Signature			Date Considered	8/7/02

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SHEET 2 OF 4

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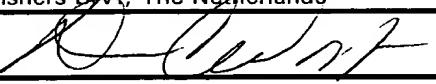
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APPLICANT

Prem S. PAUL et al.

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U.S. PATENT DOCUMENTS				
Examiner Initials	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication (MM-DD-YYYY)
	Number	Kind Code (if known)		
	5,840,563		Chladek et al.	11/24/1998
	5,846,805		Collins et al.	12/08/1998
	5,858,729		Van Woensel et al.	01/12/1999
	5,866,401		Hesse	02/02/1999
	5,888,513		Plana Duran et al.	03/30/1999
	5,910,310		Heinen et al.	06/08/1999
	5,925,359		Van Woensel et al.	07/20/1999
	5,976,537		Mengeling et al.	11/02/1999
	5,989,563		Chladek et al.	11/23/1999
	5,998,601		Murtaugh et al.	12/07/1999
	6,001,370		Burch et al.	12/14/1999
	6,015,663		Wesley et al.	01/18/2000

NON PATENT LITERATURE DOCUMENTS			
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	"Bayer Prepare Cuts Mortality in PRRS Herds", Animal Pharm., Vol. 240, p. 22, publ. date: November 22, 1991, Theta Reports, New York, NY		
	"Porcine Epidemic and Respiratory Syndrome (PEARS) Virus Isolated in France", Animal Pharm., Vol. 244, p. 7, publ. date: January 24, 1992, Theta Reports, New York, NY		
	"No Immediate Prospect of a Porcine Epidemic and Respiratory Syndrome (PEARS) Vaccine", Animal Pharm., Vol. 244, p. 25, publ. date: January 24, 1992, Theta Reports, New York, NY		
	"US Market for Animal Health Products," Animal Pharm., Vol. 247, Supplement, publ. date: March 6, 1992, Theta Reports, New York, NY		
	"Porcine Reproductive and Respiratory Syndrome (PRRS) Antibody Test Developed in France", Animal Pharm., Vol. 253, p. 5, publ. date: June 5, 1992, Theta Reports, New York, NY		
	"IDEXX to Develop Porcine Reproductive and Respiratory Syndrome (PRRS) Diagnostic", Animal Pharm., Vol. 257, p. 20, publ. date: July 31, 1992, Theta Reports, New York, NY		
	"Porcine Reproductive and Respiratory Syndrome (PRRS) Virus Identified in Japan", Animal Pharm., Vol. 283, p. 11, publ. date: August 27, 1993, Theta Reports, New York, NY		
	"Porcine Reproductive and Respiratory Syndrome (PRRS): an Appraisal of Current Research", Animal Pharm., Vol. 284, p. 20, publ. date: September 10, 1993, Theta Reports, New York, NY		
	BURGESS et al., "Possible Dissociation of the Heparin-binding and Mitogenic Activities of Heparin-binding (Acidic Fibroblast) Growth Factor-1 from Its Receptor-binding Activities by Site-directed Mutagenesis of a Single Lysine Residue", J. Cell. Biol., 1990, pp. 2129-2138, Vol. 111, The Rockefeller University Press, USA		
	CAFRUNY et al., "Antibody response of mice to lactate dehydrogenase-elevating virus during infection and immunization with inactivated virus", Virus Research, 1986, pp. 357-375, Vol. 5, Elsevier Science Publishers B.V., The Netherlands		
Examiner Signature		Date Considered	8/7/02

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Prem S. PAUL et al.	TECH CENTER 1602-001 JUL 29 2002 RECEIVED
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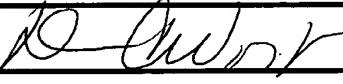
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Q	DE VRIES et al., "Structural Proteins of Equine Arteritis Virus", J. Virol., 1992, pp. 6294-6303, Vol. 66, ASM Press, Washington, DC		
	DE VRIES et al., "All subgenomic mRNAs of equine arteritis virus contain a common leader sequence", Nucleic Acids Res., 1990, pp. 3241-3247, Vol. 18, Oxford University Press, United Kingdom		
	DEA et al., "Antigenic Variant of Swine Influenza Virus Causing Proliferative and Necrotizing Pneumonia in Pigs", J. Vet. Diagn. Invest., 1992, pp. 380-392, Vol. 4, American Assoc. of Vet. Lab. Diagnosticians, Columbia, MO		
	DOMINGO et al., "New observations on antigenic diversification of RNA viruses. Antigenic variation is not dependent on immune selection", J. Gen. Virology, 1993, pp. 2039-2045, Vol. 74, Society of General Microbiology, Great Britain		
	ELLIS, Ronald W., "New Technologies for Making Vaccines", Vaccines, Plotkin et al. (Eds.), W.B. Saunders Company, Chapter 29:568-575 (1988), USA		
	FAABERG et al., "Disulfide Bonds Between Two Envelope Proteins of Lactate Dehydrogenase-Elevating Virus Are Essential for Viral Infectivity", J. Virol., 1995, pp. 613-617, Vol. 69, ASM Press, Washington, DC		
	GIRARD et al., "Experimentally Induced Porcine Proliferative and Necrotising Pneumonia With an Influenza A Virus", The Veterinary Record, 1992, pp. 206-207, Vol. 130, British Veterinary Assoc., London, UK		
	KAPUR et al., "Genetic Variation in Porcine Reproductive and Respiratory Syndrome Virus Isolates in the Midwestern United States", J. Gen. Virol., 1996, pp. 1271-1276, Vol. 77, Society of General Microbiology, Great Britain		
	KUO et al., "A Nested Set of Eight RNAs Is Formed in Macrophages Infected with Lactate Dehydrogenase-Elevating Virus", J. Virol., 1991, pp. 5118-5123, Vol. 65, ASM Press, Washington, DC		
	LANZA et al., "Pathogenicity of Concurrent Infection of Pigs With Porcine Respiratory Coronavirus and Swine Influenza", Res. Vet. Sci., 1992, pp. 309-314, Vol. 53		
	LAZAR et al., "Transforming Growth Factor α : Mutation of Aspartic Acid 47 and Leucine 48 Results in Different Biological Activities", Mol. Cell. Biol., 1988, pp. 1247-1252, Vol. 8, ASM Press, Washington, DC		
	MENG et al., "Molecular Cloning and Nucleotide Sequencing of the 3'-Terminal Genomic RNA of the Porcine Reproductive and Respiratory Syndrome Virus," Journal of General Virology, 1994, pp. 1795-1801, Vol. 75, Society of General Microbiology, Great Britain		
	MEULENBERG et al., "Subgenomic RNAs of Lelystad virus contain a conserved leader-body junction sequence", J. Gen. Virology, 1993, pp. 1697-1701, Vol. 74, Society of General Microbiology, Great Britain		
	MEULENBERG et al., "Characterization of Proteins Encoded by ORFs 2 to 7 of Lelystad Virus", Virology, 1995, pp. 155-163, Vol. 206, Academic Press, Inc., Academic Press, USA		
	MOLITOR, "Immune Responses to PRRS Virus", The Allen D. Leman Swine Conf., 1993, pp. 49-50		
	MORIN et al., "Severe Proliferative and Necrotizing Pneumonia in Pigs: a Newly Recognized Disease," Can. Vet. J., 1990, pp. 837-839, Vol. 31, Canadian Veterinary Medical Assoc., Ontario, Canada		
✓	MOROZOV et al., "Sequence Analysis of Open Reading Frames (ORFs) 2 to 4 of a U.S. Isolate of Porcine Reproductive and Respiratory Syndrome Virus", Arch. Virology, 1995, pp. 1313-1319, Vol. 140, Springer-Verlag, Austria		
✓	MORRISON et al., "Serologic Evidence Incriminating a Recently Isolated Virus (ATCC VR-2332) as the Cause of Swine Infertility and Respiratory Syndrome (SIRS)," J. Vet. Diagn. Invest., 1992, pp. 186-188, Vol. 4, American Assoc. of Vet. Lab. Diagnosticians, Columbia, MO		
Examiner Signature	<i>P. Clark</i>	Date Considered	<i>8/7/02</i>

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	PATON et al., "Isolation of a Lelystad Virus-like Agent From British Pigs and Scanning Electron Microscopy of Infected Macrophages," Vet. Microbiol., 1992, pp. 195-201, Vol. 33, Elsevier Science Publishers B.V., Amsterdam		
	PLANA et al., "Porcine Epidemic Abortion and Respiratory Syndrome (Mystery Swine Disease), Isolation in Spain of the Causative Agent and Experimental Reproduction of the Disease", Vet. Microbiol., 1992, pp. 203-211, Vol. 33, Elsevier Science Publishers B.V., The Netherlands		
	PLOTKIN et al., "New Technologies for Making Vaccines", Vaccines, 1988, published by W.B. Saunders Co. (Phil.), see page 571		
	SIRINARUMITR et al., "A pneumo-virulent United States isolate of porcine reproductive and respiratory syndrome virus induces apoptosis in bystander cells both <i>in vitro</i> and <i>in vivo</i> , Journal of General Virology, 1998, pp. 2989-2995, Vol. 79, Society of General Microbiology, Great Britain		
	SWENSON et al., "Porcine Reproductive and Respiratory Syndrome Virus in Experimentally Infected Boars: Isolation From Semen", Proc Am Assoc Swine Pract, 1993, pp. 719-720, American Assoc. of Swine Veterinarians, Perry, IA		
	SWENSON et al., "Porcine Reproductive and Respiratory Syndrome Virus in Experimentally Infectd Boars: Isolation From Semen", Proc Ann Meeting Livestock Conservation Institute, 1993, pp. 115-116		
	TIZARD, An Introduction to Vet Immunology, published in 1982 by W.B. Saunders Co. (Phil), see pages 41-43		
	VAUGHN et al., "Three New Isolates of Porcine Respiratory Coronavirus With Various Pathogenicities and Spike (S) Gene Deletions," Journal of Clinical Microbiology, July 1994, pp. 1809-1812, Vol. 32, No. 7, ASM Press, Washington, DC		
	WEILAND et al., "Monoclonal antibodies to the GP ₅ of porcine reproductive and respiratory syndrome virus are more effective in virus neutralization than monoclonal antibodies to the GP ₄ .", Veterinary Microbiology, 1999, pp. 171-186, Vol. 66, Elsevier Science B.V., The Netherlands		
	ZIMMERMAN et al., "Susceptibility of Four Avian Species to PRRS Virus", Proc Ann Meeting Livestock Conservation Institute, 1993, pp. 107-108		
	ZIMMERMAN et al., "Transmission of PRRS Virus", The Allen D. Leman Swine Conf., 1993, pp. 51-52		
	ZIMMERMAN, "Mystery Swine Disease," USDA Abstracts, Dialog Computer Database, July 1, 1990, pp. 501-504		
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